## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/41432

A. CLASSIFICATION OF SUBJECT MATTER	201/0302/41432			
PC(7) : G06F 9/00, 15/173				
US CL : 709/104, 226				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S.: 709/104, 226	d by classification symbols)			
Dogumentation results delle st				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data hase consulted during the international accord				
Electronic data base consulted during the international search (na	me of data base and, where practicable, sear	rch terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category * Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.		
03 0,080,018 A (AL-HILALI et al) 11 July 2000	(11.07,2000), see abstract, column 3, line	1-15		
os is column 10, mic 30.		1-15		
Y US 6,230,204 B1 (FLEMING, III) 08 May 2001 (	08.05.2001), see column 2, line 49 to	1-15		
501dim 15, time 46,	3	1-15		
A US 6,003,022 A (EBERHARD et al) 14 December	r 1999 (14.12.1999), see the whole	1-15		
i ciclence.		1-15		
A US 6,438,704 B1 (HARRIS et al) 20 August 2002	(20.08.2002), see the whole reference.	1-15		
1				
A US 6,341,303 B1 (RHEE et al) January 22, 2002 (	01.22.2002), see the whole reference.	1-15		
		:		
		į		
		į		
		ì		
	į	,		
Further description 12				
Further documents are listed in the continuation of Box C.	See patent family annex.			
Special categories of cited documents:	"T" later document published after the inter	national filing date or priority		
"A" document defining the general state of the art which is not considered to be	vale and that it contact with the applica	tion but attack as und		
of particular relevance	principle of diedry underlying the inver	ition		
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the ci	laimed invention cannot be		
	considered novel or cannot be considered when the document is taken alone	ed to involve an inventive step		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as		i		
specified)	"Y" document of particular relevance; the cl	aimed invention cannot be		
"O" document referring to an oral disclosure, use, exhibition or other means	considered to involve an inventive step combined with one or more other such	documente quab combinada.		
	being obvious to a person skilled in the	art Combination		
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent fa	mily		
Date of the actual completion of the international search	Date of mailing of the international search	report		
28 March 2003 (28.03.2003)	Date of mailing of the international series			
Name and mailing address of the ICA IXIO				
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 2023   Cacsimile No. (703)305-3230  Telephone No. 703 305 2000				
Facsimile No. (703)305-3230  Telephone No. 703,305-3000				
Telephone No. 703-305-3900  PCT/ISA/210 (second sheet) (July 1998)				
Caradry 210 (SCCORU SRCCE) [11])V (UUX)				

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/41432

Box	Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)		
This	s interna	tional report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
1.	Ċ	Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
2.		Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:	
3.	$\boxtimes$	Claim Nos.: 16-17 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
1.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.	
2.		As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3.		As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:	
4.		No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
Rema	Remark on Protest		
		No protest accompanied the payment of additional search fees.	